

CircuitPython Weekly Meeting for February 9th, 2026

Welcome to the CircuitPython Weekly meeting notes! Feel free to add your Hug Reports and Status Updates before the meeting, alphabetically by your username. During the meeting, we go through them in order. If you can't make the meeting and would still like to participate, add your notes with a "(missing meeting)" after your username and we'll read them off for you.

Add any longer-form discussion topics or general questions you have to the "In the weeds" section.

We now convert this document to Markdown on export, instead of including explicit raw Markdown formatting. When you type, just format your contributions with regular Google Docs formatting. If you type using Markdown formatting characters, your input will be converted on the fly to formatted text. You can also right-click and "Paste as Markdown" any text that is using raw Markdown.

Thanks! We hope to see you in the meeting!

Tim is hosting.

Video is available on YouTube.

Join here for the chat all week: <http://adafru.it/discord>.

The CircuitPython Weekly Meeting normally is held at 2pm US ET/11am PT on Mondays. Check the #circuitpython channel on Discord for notices of change in time and links to past meetings. Meeting times are also available in [iCal format](#) for use with standard calendar applications and can also be viewed [in your browser](#).

If you want to be able to participate in the meeting by speaking, you will need to be added to the @circuitpythonistas role on Discord. Please ask any of the moderators or admins to add you if you'd like to join.

CircuitPython development is sponsored by Adafruit. Please support them by purchasing hardware from <https://adafruit.com>.

Reminders: Podcast available on most services. Let us know if we're missing some. The canonical URL for the podcast version is https://adafruit-podcasts.s3.amazonaws.com/circuitpython_weekly_meeting/audio-podcast.xml which you may be able to enter directly into compatible podcast apps.

03:56 Community News

03:57 MicroPython OS

MicroPython OS is a lightweight, fast, and versatile operating system designed to run on microcontrollers like the ESP32 and desktop systems. With a modern Android-like touch screen UI, App Store, and Over-The-Air updates, it's an OS for innovators and developers. Now with a professional website - micropythonos.com and [GitHub](#). Via [CNX](#).

04:58 circfirm - A CLI Tool for Updating the Firmware for CircuitPython Boards

circfirm v5 is now out, now officially supporting Python 3.14. This version updated the dependencies and added Dependabot to that end. You can easily manage and install CircuitPython firmware versions onto your development boards from the command line. Open source under an MIT license - [GitHub](#) and [Mastodon](#).

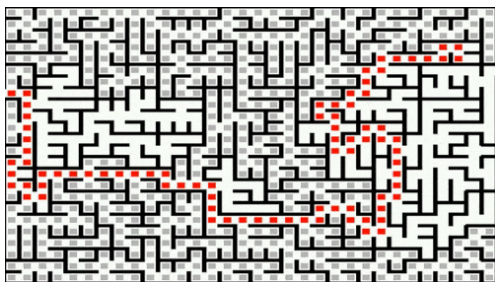
05:53 The Ultimate Fusion 360 Controller

A DIY Macro Pad and Space Mouse using a Raspberry Pi Pico and CircuitPython. It's a complete productivity station for Fusion 360, Blender, and coding. It features a custom 5x5 mechanical key matrix, two rotary encoders for scrolling and volume, and a custom-built 6-DOF Space Mouse (magnetometer-based) that lets you orbit, pan, and zoom in 3D space - [YouTube](#) and [GitHub](#).

06:50 Using MicroPython with Pycharm as an Alternate to Thonny

Kevin Williams ditches Thonny and shows how to use PyCharm and the [MicroPython Tools](#) plugin to work with MicroPython - [Kevin Williams](#).

07:30 Screensaver Bundle for Fruit Jam OS



[Adafruit Playground](#).

08:25 Newsletter Details

The Python on Microcontrollers Weekly Newsletter is a CircuitPython-community-run newsletter emailed every Monday. The complete archives are [here](#). It highlights the latest Python on hardware related news from around the web including CircuitPython, Python and MicroPython developments.

To contribute your own news or project, email cpnews@adafruit.com. We appreciate your contributions.

09:08 State of CircuitPython, Libraries and Blinka

This report contains information from the previous seven days. Any changes (PRs merged, etc.) made today are not included in this report.

09:25 Overall

- 11 pull requests merged
 - 8 authors - dhalbert, BlitzCityDIY, **scarolan**, tekktrik, tannewt, jepler, **daniel-alsen**, weblate
 - 4 reviewers - dhalbert, FoamyGuy, tannewt, gambler21
- 21 closed issues by 6 people, 3 opened by 3 people

10:21 Core

- 9 pull requests merged
 - 7 authors - dhalbert, tannewt, scarolan, jepler, daniel-alsen, tekktrik, weblate
 - 3 reviewers - dhalbert, tannewt, gambler21
- 23 open pull requests
 - <https://github.com/adafruit/circuitpython/pull/9559> (Open 534 days)
 - <https://github.com/adafruit/circuitpython/pull/9844> (Open 437 days) (draft)
 - <https://github.com/adafruit/circuitpython/pull/9909> (Open 412 days) (draft)
 - <https://github.com/adafruit/circuitpython/pull/10023> (Open 371 days)
 - <https://github.com/adafruit/circuitpython/pull/10283> (Open 292 days)
 - <https://github.com/adafruit/circuitpython/pull/10303> (Open 283 days) (draft)
 - <https://github.com/adafruit/circuitpython/pull/10320> (Open 276 days)
 - <https://github.com/adafruit/circuitpython/pull/10440> (Open 230 days)
 - <https://github.com/adafruit/circuitpython/pull/10474> (Open 212 days)
 - <https://github.com/adafruit/circuitpython/pull/10499> (Open 204 days)
 - <https://github.com/adafruit/circuitpython/pull/10512> (Open 198 days) (draft)
 - <https://github.com/adafruit/circuitpython/pull/10540> (Open 191 days) (draft)
 - <https://github.com/adafruit/circuitpython/pull/10538> (Open 191 days) (draft)
 - <https://github.com/adafruit/circuitpython/pull/10571> (Open 174 days)
 - <https://github.com/adafruit/circuitpython/pull/10610> (Open 158 days)
 - <https://github.com/adafruit/circuitpython/pull/10646> (Open 133 days)

- <https://github.com/adafruit/circuitpython/pull/10670> (Open 116 days)
- <https://github.com/adafruit/circuitpython/pull/10674> (Open 115 days) (draft)
- <https://github.com/adafruit/circuitpython/pull/10778> (Open 20 days)
- <https://github.com/adafruit/circuitpython/pull/10786> (Open 12 days) (draft)
- <https://github.com/adafruit/circuitpython/pull/10793> (Open 9 days)
- <https://github.com/adafruit/circuitpython/pull/10796> (Open 8 days)
- <https://github.com/adafruit/circuitpython/pull/10806> (Open 1 days)
- 20 closed issues by 5 people, 1 opened by 1 people
- 838 open issues
 - <https://github.com/adafruit/circuitpython/issues>
- 8 active milestones
- 10.0.x: 0 open issues
- 10.1.0: 20 open issues
- 10.x.x: 87 open issues
- 11.0.0: 10 open issues
- Libraries: 16 open issues
- Long term: 671 open issues
- Support: 18 open issues
- Third-party: 15 open issues
- 1 issues not assigned a milestone

11:57 Libraries

- Adafruit Libraries: 381 Community Libraries: 172 (Total: 553)
- 2 pull requests merged
 - 2 authors - tekktrik, BlitzCityDIY
 - 1 reviewers - FoamyGuy
 - Merged pull requests:
 - https://github.com/adafruit/Adafruit_CircuitPython_AS7341/pull/45 (Days open: 11)
 - https://github.com/adafruit/Adafruit_CircuitPython_Bundle/pull/531 (Days open: 1)
 - 38 open pull requests (Oldest: 1271, Newest: 1)
- 1 closed issues by 1 people, 2 opened by 2 people
 - 770 open issues
 - 1 good first issues
- <https://circuitpython.org/contributing>

Library updates in the last seven days:

- **New Libraries**
 - adafruit/Adafruit_CircuitPython_YotoPlayer
- **Updated Libraries**
 - adafruit/Adafruit_CircuitPython_AS7341
 - relic-se/CircuitPython_USB_Host_Gamepad

16:08 Blinka

- 0 pull requests merged
 - 0 authors -
 - 0 reviewers -
- 16 open pull requests
 - https://github.com/adafruit/Adafruit_Blinka_bleio/pull/40 (Open 1585 days)
 - https://github.com/adafruit/Adafruit_Blinka/pull/884 (Open 544 days) (draft)
 - https://github.com/adafruit/Adafruit_Blinka_Displayio/pull/140 (Open 540 days)
 - https://github.com/adafruit/Adafruit_Blinka/pull/888 (Open 527 days)
 - https://github.com/adafruit/Adafruit_Blinka/pull/908 (Open 457 days) (draft)
 - https://github.com/adafruit/Adafruit_Blinka_Raspberry_Pi5_rp1pio/pull/22 (Open 286 days)
 - https://github.com/adafruit/Adafruit_Blinka/pull/989 (Open 218 days)
 - https://github.com/adafruit/Adafruit_Blinka_Raspberry_Pi5_Neopixel/pull/15 (Open 104 days)
 - https://github.com/adafruit/Adafruit_Blinka_Raspberry_Pi5_Neopixel/pull/14 (Open 104 days)
 - https://github.com/adafruit/Adafruit_Blinka_Raspberry_Pi5_Neopixel/pull/13 (Open 104 days)
 - https://github.com/adafruit/Adafruit_Blinka_Raspberry_Pi5_Neopixel/pull/12 (Open 104 days)
 - https://github.com/adafruit/Adafruit_Blinka_Raspberry_Pi5_Neopixel/pull/11 (Open 104 days)
 - https://github.com/adafruit/Adafruit_Blinka_Raspberry_Pi5_Piomatter/pull/72 (Open 31 days)
 - https://github.com/adafruit/Adafruit_Blinka_Raspberry_Pi5_Piomatter/pull/71 (Open 31 days)
 - https://github.com/adafruit/Adafruit_Blinka_Raspberry_Pi5_Piomatter/pull/70 (Open 31 days)
 - https://github.com/adafruit/Adafruit_Blinka_Raspberry_Pi5_Piomatter/pull/69 (Open 31 days)
- 0 closed issues by 0 people, 0 opened by 0 people
- 146 open issues
 - https://github.com/adafruit/Adafruit_Blinka/issues
- Number of supported boards: 166

17:03 Hug reports

@foamyguy (hosting)

- Kevin McAleer for creating and sharing tiny_wiki (https://github.com/kevinmcaleer/tiny_wiki)
- Mickal Pokusa for continued improvement of HTTPServer and TemplateEngine libraries

18:02 @danh

- @RetiredWizard, @anecdata, @bablokb, @JustMobilze for testing and comments on the draft AirLift wifi PR.
- @deshipu for quick fix to update stage libraries

18:43 @anne

- Hug reports to folks who contribute to the Python on Microcontrollers Newsletter. You can contribute by sending content links to cpnews@adafruit.com

19:31 @tannewt

- @rxappdev for MouseTiler, a mouse-first tiling script for kwin.
- @ace-johnny, @samblenny, @foamyguy, @anecdata, @Lord Rybec for an ongoing thoughtful discussion on the impacts of coding agents on software development.

20:31 Status Updates

20:57 @foamyguy(hosting)

- OpenClaw on Pi5 guide published
- Working on Bluefruit Connect V2 Android App to get it back into the play store
 - Added an CircuitPython image receiver example to BluefruitConnect lib repo
- Trying out pi-coding-agent and codex
- Porting tiny_wiki to CircuitPython

23:51 @anne

- Working after hours on a video generator based on Adafruit Feather RP2350. HDMI is easy. VGA has been harder via some random issues. I have an in the weeds issue to throw out there.

26:13 @danh

- Planning to do a 10.1.0 release soon. Two bugs that were thorns have been fixed:
 - Fixed a long-standing bug that caused Thonny to fail in some cases if it was executing code with an uncaught exception. Closing this will close eight issues at one blow.
 - Fixed a regression in CircuitPython 10 that caused code with explicit refreshes to run twice as slow as before.
- Not yet able to reproduce a reported bug with SD card USB presentation that causes slowdowns. There is other reported flakiness with USB SD cards which needs to be investigated.
- AirLift wifi implementation testing indicates there are some problems to solve before it's released generally.
 - HTTP fetching is failing on RP2xxx AirLift boards on second fetch. Need to see if this is due to RP2xxx or the ESP32-C6 (on Fruit Jam).
 - There are code-sharing clashes with ssl on boards that provide Ethernet support.

29:46 @tannewt

- Working on BLE scanning and advertising in Zephyr. One more board to test it on and then I'll review the code before PRing.
- Working on rotaryio. Works in native_sim test but need to test on real hardware. Started a side quest for a **breadboard** CLI that tells you where to put things on a jumperless breadboard and then wires it up too. Should make testing very easy. It also has me thinking about pin use management and muxing in the Zephyr port.
- Also poked native networking in native_sim and it claims to be able to talk to web workflow from native_sim but I haven't looked at it yet. Pi did have to implement socket stuff so it could be a big step for networking.

32:24 In The Weeds

32:45 @danh

- CoPilot interaction on GitHub PR's generates a lot of posts, which fill up #circuitpython-dev. Should we consider creating a separate channel for automated GitHub posts for those repos, prune out the CoPilot responses, or prune out intermediate comments and just post PR creation and closing/merging posts?
 - Turn off PR comment notices by default [done-danh]. Maybe add back to a new ignorable channel.

41:23 @anne

- Hi all. I have been outputting VGA video from the Adafruit Feather RP2350. Using Claude Opus 4.5 in the second seat. After iteration, I have PIO generating the HSYNC and VSYNC and I can generate a PIO bitstream with the `set` operator. All efforts to output something like a file image require `out` and that seemed to not work in the same context. Has anyone run into similar issues or better at PIO?
- Also can TX/RX be used as general GPIO while still using USB for REPL? I've had issues.



49:01 Wrap-Up

Next weeks meeting is on **Tuesday** 2/17/26 and the normal time of 2pm US Easter / 11am US Pacific